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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Format No: CP/TF/01

TEST REPORT OF FINE AGGREGATE

Lab ID	:	CP-2019-01-9-102 Date: 06-08-18
Customer	:	Assistant Executive Engineer, T Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	T Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Cement Concrete Roads at Bagalagunte Village in Bagalagunte Ward No.14
Agency	:	Technical Manager (West) KRIDL, No.280, 59th Cross 17th C Main Road 3rd Y Block Rajajinagara Bangaluru-560010
Customer's Reference	:	EE/DD/WO/380/17-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	02-08-18
Sample Type	:	Fine Aggregate
Reference to BIS codes	:	IS 383 : 2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1, 3) RA2012 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption
Date of test	:	02-08-18
Total weight taken	:	1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:2016			
						Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
1	10 mm	0	0	0.0	100.0	100	100	100	100
2	4.75 mm	57	57	5.7	94.3	90-100	90-100	90-100	95-100
3	2.36 mm	129	186	18.6	81.4	60-95	75-100	85-100	95-100
4	1.18 mm	219	405	40.5	59.5	30-70	55-90	75-100	90-100
5	600 micron	203	608	60.8	39.2	15-34	35-59	60-79	80-100
6	300 micron	179	787	78.7	21.3	5-20	8-30	12-40	15-50
7	150 micron	149	936	93.6	6.4	0-10	0-10	0-10	0-15
8	Pan	64	1000	100.0	0.0	---	---	---	---

Result :The tested Sample Conforms to Grading Zone II

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TEST REPORT OF FINE AGGREGATE

Lab ID : CP-2019-01-9-102

Date: 06-08-18

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)	1.48	–
2	Specific Gravity	2.58	–
3	Material finer than 75 micron(%)	5.5	Uncrushed fine Aggregate Max 3%, Crushed Fine aggregate Max 15%, Mixed Fine aggregate Max 12%, Manufactured Fine aggregate Max 10%

Note:
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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 15/08/2018

Lab ID	:	CP-2019-01-9-102
Customer	:	Assistant Executive Engineer, T Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	T Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Cement Concrete Roads at Bagalagunte Village in Bagalagunte Ward No.14
Agency	:	Technical Manager (West) KRIDL, No.280, 59th Cross 17th C Main Road 3rd Y Block Rajajinagara Bangaluru-560010
Customer's Reference	:	EE/DD/WO/380/17-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	10-08-18
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	15/08/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	08/08/2018	15/08/2018	149.09 X 151.43 X 150.91	22576	8.433	578.1	25.6	25.4
2	Cement Concrete Pavement	M30	08/08/2018	15/08/2018	151.47 X 149.24 X 151.19	22604	8.411	595.7	26.4	
3	Cement Concrete Pavement	M30	08/08/2018	15/08/2018	151.08 X 149.80 X 150.77	22633	8.694	550.3	24.3	

Note:
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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2019-01-9-102 Date: 05/09/2018

Customer : Assistant Executive Engineer, T Dasarahalli Sub Division, BBMP, Bangalore.

Address : T Dasarahalli Sub Division, BBMP, Bangalore.

Project Name : Improvements to Cement Concrete Roads at Bagalagunte Village in Bagalagunte Ward No.14

Agency : Technical Manager (West) KRIDL, No.280, 59th Cross 17th C Main Road 3rd Y Block Rajajinagara Bangaluru-560010

Customer's Reference : EE/DD/WO/380/17-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 10-08-18

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 05/09/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	08/08/2018	05/09/2018	150.34 X 150.98 X 151.67	22699	8.754	766.1	33.7	33.3
2	Cement Concrete Pavement	M30	08/08/2018	05/09/2018	149.62 X 151.39 X 151.62	22652	8.592	741.9	32.8	
3	Cement Concrete Pavement	M30	08/08/2018	05/09/2018	151.97 X 151.42 X 151.39	23010	8.741	767.0	33.3	

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 15/08/2018

Lab ID	:	CP-2019-01-9-102
Customer	:	Assistant Executive Engineer, T Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	T Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Cement Concrete Roads at Bagalagunte Village in Bagalagunte Ward No.14
Agency	:	Technical Manager (West) KRIDL, No.280, 59th Cross 17th C Main Road 3rd Y Block Rajajinagara Bangaluru-560010
Customer's Reference	:	EE/DD/WO/380/17-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	10-08-2018
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	15/08/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	08/08/2018	15/08/2018	149.28 X 150.63 X 149.30	22486	8.433	583.4	25.9	25.8
2	Cement Concrete Pavement	M30	08/08/2018	15/08/2018	151.03 X 150.41 X 150.48	22716	8.411	604.4	26.6	
3	Cement Concrete Pavement	M30	08/08/2018	15/08/2018	151.57 X 149.10 X 151.33	22599	8.694	562.6	24.9	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	CP-2019-01-9-102 Date: 05/09/2018
Customer	:	Assistant Executive Engineer, T Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	T Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Cement Concrete Roads at Bagalagunte Village in Bagalagunte Ward No.14
Agency	:	Technical Manager (West) KRIDL, No.280, 59th Cross 17th C Main Road 3rd T Block Rajajinagara Bangaluru-560010
Customer's Reference	:	EE/DD/WO/380/17-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	10-08-2018
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	05/09/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	08/08/2018	05/09/2018	150.35 X 151.77 X 149.16	22818	8.754	764.6	33.5	33.2
2	Cement Concrete Pavement	M30	08/08/2018	05/09/2018	150.49 X 151.46 X 150.22	22793	8.592	739.9	32.5	
3	Cement Concrete Pavement	M30	08/08/2018	05/09/2018	150.83 X 150.34 X 149.35	22676	8.741	762.0	33.6	

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